

advanced FLOW engineering

Instruction Manual P/N: 46-70170 / 46-70172

6R80 Transmission Pan

Make: Ford Model: F150	Year: 2009-2010 Engine: V8-4.6L
Make: Ford Model: F150	Year: 2009-2010 Engine: V8-5.4L
Make: Ford Model: F150/Raptor	Year: 2010-2014 Engine: V8-6.2L
Make: Ford Model: F150	Year: 2011-2014 Engine: V6-3.7L
Make: Ford Model: F150	Year: 2011-2019 Engine: V6-3.5L (tt)
Make: Ford Model: F150	Year: 2011-2019 Engine: V8-5.0L
Make: Ford Model: F150	Year: 2015-2019 Engine: V6-2.7L (tt)
Make: Ford Model: F150	Year: 2015-2017 Engine: V6-3.5L
Make: Ford Model: F150	Year: 2018-2020 Engine: V6-3.3L



- Please read the entire instruction manual before proceeding.
- Ensure all components listed are present.
- If you are missing any of the components, call customer support at 951-493-7100.
- Ensure you have all necessary tools before proceeding.
- Ensure that your vehicle is cooled off before proceeding.
- Retain factory parts for future use.

Label	Qty.	Description	Part Number
A1	1	Transmission Pan – Raw, Machined Fins (46-70170)	05-60327A
A2	1	Transmission Pan – Black, Machined Fins (46-70172)	05-60327
B	21	Screw, Socket Head M6x1.0x30	03-50382
C	21	Washer, M6	03-50177
D	1	Screw, Button Head M6x1.0x8	03-50407
E	1	Washer, Fender	03-50412
F	1	Plug, 3/4" NPT	03-50222
G	1	Plug, 1/8" NPT	03-50029

Warranty Information available at <http://afepower.com/contact#warranty>



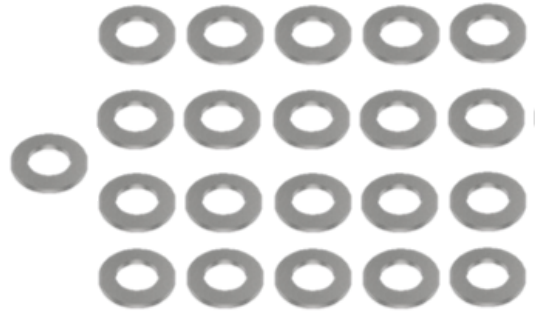
A1



A2



B



C



D



E



F



G



Note: Your vehicle must be completely cooled off before proceeding with the installation.

1. Park your vehicle on a flat, dry surface. You will need to block the tires to prevent the vehicle from rolling.

Note: You will need to get under the truck to do this installation. Please use every precaution when lifting the vehicle.

2. If applicable, remove the belly cover on the truck by twisting the factory retainers counterclockwise.
3. Position a large catch pan under the transmission pan.
4. Remove the 21 bolts holding the transmission pan. As you remove the transmission pan bolts, the fluid will start to drain. Drain the fluid and remove the pan.

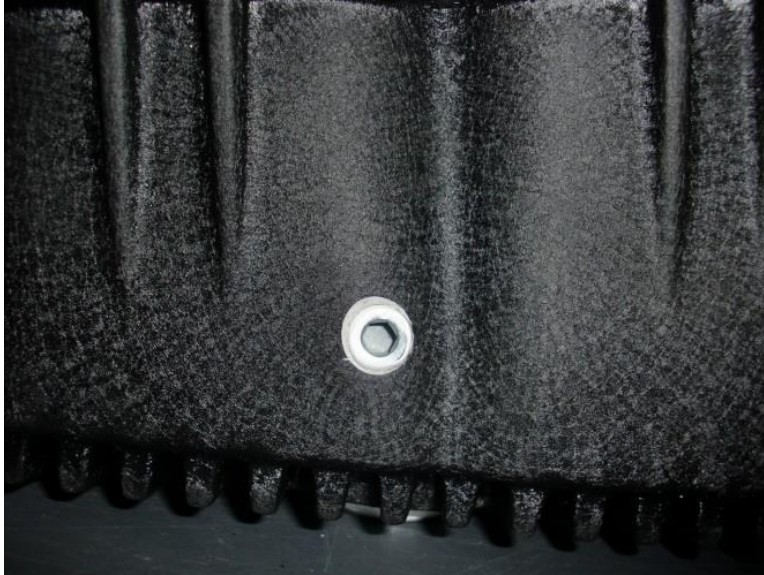


5. If replacing the transmission filter, remove the old filter now.
6. Allow the remaining fluid to drain out until there are periodic drips.
7. If applicable, reinstall the new transmission filter.



8. Remove the magnet from the stock pan.
9. Install the magnet on the supplied aFe transmission pan and retain using the supplied M6x1.0x8 button head screw and fender washer.

Note: Make sure to use a drop of thread locker on the bolt and carefully tighten.



10. Apply Teflon tape/pipe sealant on the supplied 3/4" NPT and 1/8" NPT plugs.
11. Install the 1/8" NPT plug into the side of the aFe transmission pan.
12. Install the 3/4" NPT plug into the bottom of the aFe transmission pan.



13. Wipe any residual transmission fluid from the transmission with a lint free rag.
14. Using the factory gasket, install the aFe transmission pan using the 21 supplied M6x1.0x30 screws and M6 washers.
15. Tighten the screws in a crisscross pattern to 8 ft.-lbs.

Note: Over-torque of the pan bolts may cause damage to the gasket sealing bead.



Note: The transmission dipstick is located under the truck at the transmission.

16. Using a pump, transfer new fluid to the transmission through the dipstick port. Fill the transmission to the factory specifications.

Note: The pan holds about 7 quarts more than stock.

17. Reinstall the dipstick.

Note: Transmission fluid expands when hot. Always check oil level per factory recommendations.

Note: Some of the components of the exhaust and transmission fluid will be hot once the vehicle has been running. Take precautions not to burn yourself while performing the following steps.

18. If applicable, reinstall the belly cover on the truck using factory clips.
19. Your installation is now complete.

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